Index of Claims

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10/571,427

Examiner

Timothy A. Brainard

| Applicant(s)/Patent | unde |
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| Reexamination       |      |
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ABE ET AL.

Art Unit

3662

| <b>√</b> | Rejected |
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|          | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | aim      |            |          |          | [        | Date   | е  |  |  |           |      | Claim Date |          |          |          |          |          |          |          | CI       | aim             | Date     |          |            |                 |         |         |  |                 |           |                 |        |
|----------|----------|------------|----------|----------|----------|--|--|--|--|-----------|------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------------|----------|----------|------------|-----------------|---------|---------|--|-----------------|-----------|-----------------|--------|
| Final    | Original | 10/19/07   |          |          |          |  |  |  |  |           |      | Final      | Original |          |          |          |          |          |          |          |                 |          | Final    | Original   |                 |         |         |  |                 |           |                 |        |
|          | 1        | -          |          |          |          |  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | Н         | ŀ    |            | 51       |          |          |          |          |          |          |          |                 |          | -        | 101        | -               |         | +-      | -  | $\vdash$        | -         | $\exists$       | _      |
| <u> </u> | 2        | -          |          |          |          | -  |  | ┢  | $\vdash$   | Н         | ŀ    |            | 52       |          |          |          |          |          | _        |          |                 | $\dashv$ |          | 102        |                 |         | +       | ┢  | $\vdash$        |           | $\exists$       | $\neg$ |
|          | 3        | -          |          |          |          | <u> </u>   |  | $\vdash$   | -  | $\Box$    | .    |            | 53       |          |          |          |          |          | 一        | 寸        |                 |          |          | 103        |                 | +       | †       | ✝  | -               |           | $\neg$          |        |
|          | 4        | -          |          |          |          |  |  | _  |  | П         | ı    |            | 54       |          |          |          |          |          |          |          | $\neg$          |          |          | 104        |                 | $\top$  | ┰       | T  | П               | $\neg$    | $\neg$          |        |
|          | 5        | -          |          |          |          |  |  | $\Box$   |  |           | ľ    |            | 55       |          |          |          |          |          |          |          |                 |          |          | 105        |                 | ╅       | 1       | <del>                                     </del> | П               | $\neg$    | 一               |        |
|          | 6        | -          | · · ·    |          |          |  | Г  |  |  | $\Box$    | Ī    |            | 56       |          |          |          |          |          |          |          | $\neg$          |          |          | 106        |                 | 7       | 1       |  |                 |           |                 | $\neg$ |
|          | 7        | -          |          |          |          |  |  |  |  |           | [    |            | 57       |          |          |          |          |          |          |          |                 |          |          | 107        |                 |         |         |  |                 |           |                 |        |
|          | 8        | ŀ          |          |          |          |  |  |  |  | Ш         |      |            | 58       |          |          |          |          |          |          |          |                 |          |          | 108        |                 |         |         |  |                 |           |                 |        |
|          | 9        | Ŀ          | Ш        |          |          | _  |  | _  |  | Ш         |      |            | 59       |          |          |          |          | _        |          |          | _               |          |          | 109        |                 | _ _     | _       | <u> </u>   |                 | _         | $\dashv$        |        |
| <u> </u> | 10       | <u>  -</u> |          |          |          | _  | ļ  |  | ļ  | $\square$ | .    |            | 60       | ļ        |          |          |          |          | _        | _        |                 |          |          | 110        | $\perp$         | _       | 1       |  |                 |           | _               |        |
| -        | 11       | 1          |          | _        | _        | <u> </u>   | ⊢  | ⊢  | <u> </u>   | $\vdash$  | -    |            | 61       |          | Ш        |          | _        | $\dashv$ | $\dashv$ | $\dashv$ | _               | _        |          | 111        | $\vdash$        | +       | -       | -  |                 |           |                 |        |
| $\vdash$ | 12       | 1          |          | _        |          | <del> </del>                                     |  | <u> </u>   |  | Н         | -  - |            | 62       | -        |          | _        |          |          |          |          |                 |          |          | 112        | $\vdash$        |         | -       | ├-   | Н               | $\dashv$  | $\dashv$        |        |
|          | 13       | 7          | -        |          |          | ⊢  | ⊢  | <u> </u>   | -  | Н         | -    |            | 63<br>64 | H        |          | $\vdash$ |          | $\dashv$ | $\dashv$ |          | -               |          |          | 113<br>114 | $\vdash$        | +       | +       |  | Н               |           | $\dashv$        |        |
| -        | 15       | 1          | ┢        | _        |          | $\vdash$   | ╁  |  | <del>                                     </del> | Н         | -    |            | 65       |          | $\vdash$ |          |          |          |          | -        |                 |          |          | 115        |                 |         |         | ┢  |                 | $\dashv$  | -               |        |
|          | 16       | V          | $\vdash$ |          |          | $\vdash$   |  |  | $\vdash$   | Н         | ŀ    |            | 66       |          |          |          |          |          |          |          |                 |          |          | 116        |                 |         | +-      | ╁  |                 |           | -               |        |
|          | 17       | i          | -        |          | $\vdash$ | <del>                                     </del> | $\vdash$   | ┰  | $\vdash$   | $\vdash$  | ŀ    |            | 67       | -        |          | $\vdash$ |          |          | _        | $\dashv$ | $\dashv$        | $\dashv$ |          | 117        | $\vdash$        | +       | +       | $\vdash$   | Н               | -         |                 |        |
| <b>—</b> | 18       | V          |          |          |          |  |  |  | -  | Н         | ŀ    |            | 68       |          |          |          |          |          |          |          |                 |          | -        | 118        | -               |         | -       | <del>                                     </del> |                 | $\dashv$  | $\dashv$        | _      |
|          | 19       | 1          | -        |          |          |  | _  | _  |  | т         | ı    |            | 69       | Н        | П        |          |          |          | _        | 寸        | $\dashv$        | $\neg$   | ļ —      | 119        |                 | +       | T       | ┢  |                 | $\neg$    | $\neg$          | _      |
|          | 20       | 1          |          |          |          |  |  |  |  | П         | ı    |            | 70       |          |          |          |          |          | 一        | $\neg$   | $\neg$          |          |          | 120        |                 | +       | $\top$  |  |                 | $\neg$    | $\neg \uparrow$ | _      |
|          | 21       | 1          |          |          |          |  |  |  |  |           | Ī    |            | 71       |          |          |          |          |          |          | _        | $\neg$          |          |          | 121        |                 | _       | 1       |  | П               | 寸         | T               |        |
|          | 22       | V          |          |          |          |  |  |  |  |           |      |            | 72       |          |          |          |          |          |          |          |                 |          |          | 122        |                 |         |         |  |                 |           | П               |        |
|          | 23       | 1          |          |          |          |  |  |  |  |           | [    |            | 73       |          |          |          |          |          |          |          |                 |          |          | 123        |                 |         |         |  |                 |           |                 |        |
|          | 24       | 1          |          |          |          |  |  |  |  |           |      |            | 74       |          |          |          |          |          |          |          |                 |          |          | 124        |                 |         |         |  |                 |           |                 |        |
| <u> </u> | 25       | 1          |          |          |          |  |  |  |  |           | L    |            | 75       |          |          |          |          |          |          |          |                 |          |          | 125        |                 | 1       | ļ       | ļ  |                 |           |                 |        |
| <u></u>  | 26       | 1          |          |          |          |  |  | L  | L  | Ш         | L    |            | 76       |          |          |          | _        |          |          |          | _               | _        | <u></u>  | 126        |                 | _       | _       | <u> </u>   |                 | $\dashv$  | $\dashv$        |        |
| <u></u>  | 27       | 1          |          |          |          |  |  | _  | _  |           | -    |            | 77       | _        |          |          | _        |          | _        | _        | _               | _        |          | 127        |                 | _       | _       |  |                 |           | _               |        |
| <u> </u> | 28       | 1          | L.       |          |          | -  | -  | Ļ  |  | Ш         | -    |            | 78       |          |          |          | _        |          | _        | _        | _               | _        |          | 128        | $\vdash$        | +       | +       |  | Н               | $\dashv$  | $\dashv$        |        |
| <u> </u> | 29<br>30 | 1          | $\vdash$ |          | _        | ├  |  | <u> </u>   | <u> </u>   | $\vdash$  | ŀ    |            | 79<br>80 |          | $\vdash$ | -        | $\dashv$ | -        | _        | _        |                 | -        |          | 129<br>130 | $\vdash$        | +       | +       | -  | Н               |           | $\dashv$        |        |
| -        | 31       | ľ          | H        | $\vdash$ | _        | ┢  | -  |  | _  | $\vdash$  | ŀ    |            | 81       | _        | Н        | $\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$        | $\dashv$ | -        | 131        | $\vdash$        | +       | +       | ╁  | Н               | $\dashv$  | $\dashv$        | _      |
|          | 32       |            | -        |          | _        | 1  |  | $\vdash$   |  | Н         | ŀ    |            | 82       | H        | H        | $\vdash$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$        | $\dashv$ |          | 132        | +               | +       | ╁       | <del>                                     </del> | Н               | $\dashv$  | $\dashv$        |        |
| -        | 33       |            | H        |          |          |  |  |  |  |           | ŀ    |            | 83       |          |          |          | _        |          |          | +        | _               |          |          | 133        | -               | +       | +-      | <del> </del>                                     |                 |           | -               |        |
|          | 34       | H          | H        | H        |          | t  | T  | <u> </u>   |  | H         | f    |            | 84       |          | П        | H        |          |          |          | +        |                 | $\dashv$ | <u> </u> | 134        | $\vdash$        | +       | +       | t  | H               | 寸         | $\dashv$        |        |
|          | 35       | T          |          |          |          | П  |  | П  | Г  | П         | ľ    |            | 85       |          |          |          |          |          |          |          |                 | $\neg$   |          | 135        |                 | ┪       | 1       | T  | П               | 寸         | $\exists$       | _      |
|          | 36       |            |          |          |          |  |  |  |  |           | Ī    |            | 86       |          |          |          |          |          |          |          |                 |          |          | 136        |                 | $\top$  |         |  |                 | $\exists$ | $\Box$          | _      |
|          | 37       |            |          |          |          |  |  |  |  |           |      |            | 87       |          |          |          |          |          |          |          |                 |          |          | 137        |                 | Ι       | oxdot   |  |                 |           |                 | _      |
|          | 38       |            |          |          |          |  |  |  |  |           |      |            | 88       |          |          |          |          |          | $\Box$   |          |                 |          |          | 138        |                 |         |         |  |                 | $\Box$    |                 |        |
| <u></u>  | 39       |            |          |          |          |  |  |  |  | Ш         | L    |            | 89       |          |          |          |          |          |          |          |                 |          |          | 139        |                 | $\perp$ | $\perp$ | <u> </u>   | Ш               | Ц         | $\Box$          |        |
| <u> </u> | 40       |            |          |          |          |  |  |  |  | Ш         | L    |            | 90       |          |          |          |          |          |          |          |                 |          |          | 140        | $\perp$         | Т.      | 1       | L  | Ш               |           |                 |        |
|          | 41       | <u> </u>   |          | Ш        |          | <u> </u>   | ـــــ  | <u> </u>   | <u> </u>   | Ш         | ļ    |            | 91       | Ш        | Ш        |          | _        |          |          | _        | _               | _        | <u> </u> | 141        | igwdap          | _       | 1       | <u> </u>   | Щ               | _         |                 |        |
|          | 42       |            | $\vdash$ |          |          | 1  |  | <u> </u>   | _  | Ш         |      |            | 92       |          |          |          | _        |          |          |          | _               | _        | <u> </u> | 142        | $\vdash \vdash$ | $\perp$ | 1       | ₽  | Ш               | _         | _               |        |
|          | 43       | ļ          |          |          |          | -  |  |  |  |           | -    |            | 93       | _        |          |          |          |          |          |          |                 | _        |          | 143<br>144 | -               | +       | +-      | ├  |                 |           |                 | _      |
|          | 44       |            | $\vdash$ |          |          | -  |  |  |  | $\vdash$  | -    |            | 94<br>95 | $\vdash$ | $\vdash$ |          | -        |          |          |          |                 |          |          | 144        | -               | - -     | +-      | ├  | $\vdash \vdash$ |           | $\dashv$        |        |
| $\vdash$ | 45       | $\vdash$   | Н        | $\vdash$ |          | -  | $\vdash$   | $\vdash$   | $\vdash$   | Н         | }    | -          | 96       | $\vdash$ |          | $\vdash$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ |          | 146        | $\vdash \vdash$ | +       | +       | ╁  |                 | $\dashv$  |                 |        |
| $\vdash$ | 47       | $\vdash$   | $\vdash$ | $\vdash$ |          | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$  | -    |            | 97       | $\vdash$ | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\vdash$ | 147        | $\vdash \vdash$ | +       | +       | ╁┈   | $\vdash$        | $\dashv$  | $\dashv$        | —      |
| -        | 48       |            |          |          | _        | <del>                                     </del> |  | <del>                                     </del> | <del>                                     </del> | -         | ŀ    |            | 98       | _        | $\dashv$ | -        | $\dashv$ | $\neg$   |          | -        | $\neg \uparrow$ | $\dashv$ |          | 148        |                 | ╅       | +       | $\vdash$   | $\vdash$        | $\dashv$  | $\dashv$        | _      |
|          | 49       | T          |          |          |          |  | $\vdash$   |  | _  | $\vdash$  | f    |            | 99       | _        | -        | $\vdash$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$        |          |          | 149        |                 | +       | +-      | T  |                 | $\dashv$  | $\dashv$        | _      |
|          | 50       | <u> </u>   | П        |          |          | <u> </u>   | 1  | _  | Г  | $\Box$    | r    |            | 100      |          |          |          |          |          |          |          |                 |          |          | 150        |                 | $\top$  | 1       | T  | Ħ               | $\dashv$  | $\dashv$        |        |